

# Krzysztof Andrzej Mizerski

## List of Publications by Year in descending order

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35  
papers

300  
citations

1040056

9  
h-index

888059

17  
g-index

35  
all docs

35  
docs citations

35  
times ranked

235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fully developed anelastic convection with no-slip boundaries. <i>Journal of Fluid Mechanics</i> , 2022, 930, .	3.4	6
2	Foundations of Convection with Density Stratification. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2021, , .	0.2	6
3	Renormalization group analysis of the turbulent hydromagnetic dynamo: Effect of anisotropy. <i>Applied Mathematics and Computation</i> , 2021, 405, 126252.	2.2	0
4	Renormalization group analysis of the magnetohydrodynamic turbulence and dynamo. <i>Journal of Fluid Mechanics</i> , 2021, 926, .	3.4	6
5	Possible risk resulting from the recent decay of the dipolar component of the terrestrial magnetic field. <i>Acta Geophysica</i> , 2021, 69, 47-52.	2.0	0
6	Possible Role of Non-Stationarity of Magnetohydrodynamic Turbulence in Understanding of Geomagnetic Excursions. <i>Symmetry</i> , 2021, 13, 1881.	2.2	1
7	The Oberbeck-Boussinesq Convection. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2021, , 21-85.	0.2	1
8	The Equations of Hydrodynamics. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2021, , 1-20.	0.2	0
9	Inclusion of Compositional Effects. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2021, , 199-246.	0.2	0
10	Anelastic Convection. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2021, , 87-197.	0.2	1
11	Nonlinear turbulent dynamo induced by fluctuations of the Lorentz force. <i>Physical Review E</i> , 2021, 104, L053102.	2.1	1
12	Renormalization Group Analysis of the Turbulent Hydromagnetic Dynamo: The Effect of Nonstationarity. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 21.	7.7	5
13	Scale Selection in the Stratified Convection of the Solar Photosphere. <i>Astrophysical Journal</i> , 2019, 874, 103.	4.5	4
14	Large scale EMF in current sheets induced by tearing modes. <i>Fluid Dynamics Research</i> , 2018, 50, 011402.	1.3	0
15	Dynamo generation of a magnetic field by decaying Lehnert waves in a highly conducting plasma. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2018, 112, 165-174.	1.2	27
16	The Effect of Weak Resistivity and Weak Thermal Diffusion on Short-wavelength Magnetic Buoyancy Instability. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 13.	7.7	2
17	Pinch dynamics in a low- $\hat{\nu}^2$ plasma. <i>Fluid Dynamics Research</i> , 2018, 50, 011401.	1.3	28
18	Large-Scale HydroMagnetic Dynamo by Lehnert Waves in Nonresistive Plasma. <i>SIAM Journal on Applied Mathematics</i> , 2018, 78, 1402-1421.	1.8	7

#	ARTICLE	IF	CITATIONS
19	Large-scale dynamo action driven by forced beating waves in a highly conducting plasma. <i>Journal of Plasma Physics</i> , 2018, 84, .	2.1	6
20	Rigorous entropy formulation of the anelastic liquid equations in an ideal gas. <i>Journal of Fluid Mechanics</i> , 2017, 833, 677-686.	3.4	1
21	Short-time self-diffusion, collective diffusion and effective viscosity of dilute hard sphere magnetic suspensions. <i>Journal of Fluid Mechanics</i> , 2016, 791, 237-259.	3.4	0
22	The Rotne-Prager-Yamakawa approximation for periodic systems in a shear flow. <i>Journal of Chemical Physics</i> , 2014, 140, 184103.	3.0	10
23	The detrimental effect of hydrodynamic interactions on the process of Brownian flocculation in shear flow. <i>Journal of Fluid Mechanics</i> , 2014, 748, 328-349.	3.4	0
24	Generalization of the Rotne-Prager-Yamakawa mobility and shear disturbance tensors. <i>Journal of Fluid Mechanics</i> , 2013, 731, .	3.4	90
25	Large-scale convective dynamos in a stratified rotating plane layer. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2013, 107, 218-243.	1.2	8
26	Elliptical Flow Instability in a Conducting Fluid Triggered by an External Magnetic Field. <i>Physical Review Letters</i> , 2013, 110, 104503.	7.8	6
27	SHORT-WAVELENGTH MAGNETIC BUOYANCY INSTABILITY. <i>Astrophysical Journal, Supplement Series</i> , 2013, 205, 16.	7.7	10
28	The mean electromotive force generated by elliptic instability. <i>Journal of Fluid Mechanics</i> , 2012, 707, 111-128.	3.4	9
29	On the connection between the magneto-elliptic and magneto-rotational instabilities. <i>Journal of Fluid Mechanics</i> , 2012, 698, 358-373.	3.4	15
30	The short-wavelength instability of magnetically buoyant layer. <i>Journal of Physics: Conference Series</i> , 2011, 318, 072033.	0.4	0
31	The influence of magnetic field on short-wavelength instability of Riemann ellipsoids. <i>Physica D: Nonlinear Phenomena</i> , 2011, 240, 1629-1635.	2.8	7
32	The effect of stratification and compressibility on anelastic convection in a rotating plane layer. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2011, 105, 566-585.	1.2	9
33	Compressible Ekman-Hartmann boundary layers. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2010, 104, 403-418.	1.2	0
34	The magnetoelliptic instability of rotating systems. <i>Journal of Fluid Mechanics</i> , 2009, 632, 401-430.	3.4	23
35	On the effect of mantle conductivity on the super-rotating jets near the liquid core surface. <i>Physics of the Earth and Planetary Interiors</i> , 2007, 160, 245-268.	1.9	11